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PORTSMOUTH INFORMATION RELEASE APPROVAL REQUEST

I. Document / Information Description
(To be filled out by Requestor)

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Justification:

Requestor: _____ **Date:** 1-12-09
Legible Signature or Print Name & Signature

II. Patent, Classification and Protected Information Review
To be completed by the PORTS Classification Office)

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☑ Does not Contain Patentable or Proprietary information
☐ Contains Patentable or Proprietary and/or has clearance patent information

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☐ Document is Classified

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☐ Contains Unclassified Controlled Nuclear Information (UCNI)
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☐ Approved with restrictions (describe): _____

H A Thomas 1/13/09
Classification Officer/Technical Information Officer Signature / Date

Send to OSTI? ☐ Yes ☑ No

Note: Requestor must retain a record copy of all requests (approved or rejected) and material being released

Department of Energy

Portsmouth/Paducah Project Office
1017 Majestic Drive, Suite 200
Lexington, Kentucky 40513
(859) 219-4000

SEP 30 2008

Mr. Dale R. Bauer, Senior Contract Administrator
United States Enrichment Corporation
Portsmouth Gaseous Diffusion Plant
P.O. Box 628, MS-6050
Piketon, OH 45661

PPPO-01-725-08

Dear Mr. Bauer:

CONTRACT NO. DE-AC05-01OR22877, UNITED STATES ENRICHMENT CORPORATION (USEC), THREE MONTH EXTENSION FOR THE SURVEILLANCE AND MAINTENANCE AND DEACTIVATION PROJECTS AT THE PORTSMOUTH GASEOUS DIFFUSION PLANT, MODIFICATION M052

Enclosed is Modification M052, which is bilaterally executed by the U.S. Department of Energy (DOE). This modification extends the Period of Performance (POP) of this contract from October 1, 2008 to December 31, 2008, revises the Statement of Work (SOW), incorporates the Definitization Schedule and establishes a Not to Exceed (NTE) ceiling of $24 million for costs incurred during undefinitized performance. USEC should retain the attached copy for your records. If you have any questions regarding this modification, please contact David Senderling at 859/219-4054.

Sincerely,

Pamela Thompson

Pamela Thompson
Contracting Officer
Portsmouth/Paducah Project Office

Enclosure:

cc: w/enclosure
A. Canterbury, USEC/Piketon
B. Carrick, USEC/Piketon
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R. Ginther, USEC/Piketon
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C. Voth, PPPO/PORTS

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT	1. CONTRACT ID CODE	PAGE OF PAGES
		1 35

2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
M052	See block 16C		

6. ISSUED BY	CODE	7. ADMINISTERED BY (If other than Item 6)	CODE
U. S. Department of Energy Oak Ridge Operations, AD-424 P.O. Box 2001 Oak Ridge, TN 37831-8759		U. S. Department of Energy Portsmouth Paducah Project Office 1017 Majestic Drive, Suite 200 Lexington, KY 40513	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)		9A. AMENDMENT OF SOLICITATION NO.
United States Enrichment Corporation, Inc., (USEC) 6903 Rockledge Drive Bethesda, MD 20817-1818	☐	9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. DE-AC05-01OR22877
CODE / FACILITY CODE		10B. DATED (SEE ITEM 13) 1 August 2001

11. THIS ITEM APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA *(If required)*

Fund	Year	Allottee	Object Class	Program	Project	Dollar Amount	Parent Acct

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE	
[ ]	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: *(Specify authority)* THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT/ORDER NO. IN ITEM 10A.
[ ]	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES *(such as changes in paying office, appropriation date, etc.)* SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
[X]	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: Public Law 95-91 and mutual agreement of the parties
[ ]	D. OTHER *(Specify type of modification and authority)*

E. IMPORTANT: Contractor [ ] is not, [X] is required to sign this document and return 2 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION *(Organized by UCF section headings, including solicitation/contract subject matter where feasible.)*

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
Charles Kerner, Director Contracts		Pamela Thompson, Contracting Officer	
15B. CONTRACTOR/OFFEROR	**15C. DATE SIGNED**	**16B. UNITED STATES OF AMERICA**	**16C. DATE SIGNED**
BY (Signature of person authorized to sign)	9-30-08	BY (Signature of Contracting Officer)	30 Sep 08

NSN 7540-01-152-8070
Previous edition unusable

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA FAR (48 CFR 53.243)

The purpose of this modification is to:

Extend the Period of Performance of this contract from October 1, 2008 to December 31, 2008. The parties will negotiate a cost, fee, and the contract terms and conditions, including, the Statement of Work in accordance with the schedule below.

1. Paragraph F.4, Period of Performance is revised to read as follows:

   All physical work under this contract is extended to December 31, 2008.

2. Section J, Attachment A, Statement of Work is deleted in its entirety and replaced with Section J, Attachment A, Statement of Work, attached hereto.

3. The following Contract Section H, Paragraph H.42, Definitization Schedule is hereby added to this contract:

   Paragraph H.42, Definitization Schedule:

   Upon acceptance by both parties, the Contractor shall proceed with performance of the first 3 months of the attached SOW on October 1, 2008, including purchase of necessary materials. During the period of this contract extension, USEC shall not incur costs in excess of $24 million dollars.

   The schedule for definitizing this contract extension is as follows:

   Submission of Certified Cost Proposal – November 15, 2008
   Beginning of Negotiations – TBD
   Definitization Modification Issuance – TBD

All other terms and conditions, including, Contract Section B, Paragraph B.2 Estimated Cost and Fixed Fee (May 1997) and Contract Section I, Paragraph I.23, FAR 52.216-8, Fixed Fee (Mar 1997) remain unchanged and in full force and effect.

UNITED STATES ENRICHMENT CORPORATION (USEC)
SECTION J, ATTACHMENT A, STATEMENT OF WORK
TWO YEAR EXTENSION FOR THE SURVEILLANCE AND MAINTENANCE
AND DEACTIVATION PROJECTS AT THE PORTSMOUTH GASEOUS DIFFUSION PLANT

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STATEMENT OF WORK

1.0 INTRODUCTION

The United States Department of Energy (DOE), Portsmouth/Paducah Project Office (PPPO), is extending the cold shutdown (CSD) contract for a 24-month period with the United States Enrichment Corporation (USEC) for continued CSD support of the Portsmouth Gaseous Diffusion Plant also referred to as PORTS, located in Piketon, Ohio.

The term "specified returned facilities" is used throughout this SOW. The term refers to any or all of the buildings, structures, or systems that have been returned from USEC to DOE in accordance with the July 1, 1993 Lease Agreement between USEC and DOE. DOE becomes responsible for the activities and maintenance associated with the facilities that have been returned.

1.1 Background

This contract was awarded as a non-definitive contract to USEC by the Oak Ridge Office (ORO) on August 1, 2001 on a sole source basis for cold standby (CSB) Operations. On September 9, 2003, ORO issued Modification A011, which provided definition to the initial SOW to maintain the site in a standby condition. On September 30, 2005; Congress abolished the CSB requirements and the contract was converted from CSB to CSD Operations specific to a new SOW. On September 11, 2007, ORO issued Modification M045, providing further definition to the CSD Operations and extending the Period of Performance (POP) through September 30, 2008. This SOW will extend the POP from October 1, 2008 through September 30, 2010. The DOE will assign specific tasks and/or options to be completed at different times during the POP.

1.2 Surveillance and Maintenance Operations for Specified Returned Facilities

Surveillance and Maintenance (S&M) operations include the operating, management, and support activities required to transition the PORTS plant from CSD to a deactivation and decommissioning (D&D) status as defined in this SOW. USEC shall perform S&M of specified returned facilities, presently the X-333 process facility, under DOE Authority through September 30, 2009. USEC shall be responsible for the implementation and integration of a Basis of Interim Operation (BIO), Safety Management Systems (SMS) and procedural documentation to support the transition from the current Nuclear Regulatory Commission (NRC) regulatory environment to DOE authority as defined by the Atomic Energy Act (AEA) and the DOE Authorization Basis (AB). USEC shall support the transition of S&M activities to the new D&D contractor that will be assuming the S&M responsibilities in FY10.

The contract extension requires USEC to maintain safe and secure S&M conditions under DOE authority. This requirement is for all Nuclear Category 2 PORTS facilities returned to DOE per the lease agreement. USEC shall provide the general level of effort (LOE), schedules, and the technical approach to maintain specified facilities in a safe S&M condition. In addition, USEC shall provide costs of services, both direct Government Furnished Services and Information (GFS/I) proportionate or other overhead costs for the specified returned facilities identified. USEC shall complete the following:

- Submit a BIO with the associated safety management systems (SMS) and procedural documentation to support the transition from the current NRC regulatory environment to DOE authority of any Nuclear Category 2 facilities; and
- Develop and submit a transition plan for the transfer of S&M responsibilities to the new D&D contractor upon award of the bid.

USEC shall reduce cell monitoring on the applicable shutdown cells within the specified returned facilities to the minimum level necessary to meet Nuclear Criticality Safety (NCS) requirements including minimum systems support. USEC shall perform analyses to substantiate and verify that the Always Safe Mass (ASM) cells are in a condition that allows the cell monitoring, buffer cell inlet, lube oil, etc., to be secured, leaving the associated cells in a de-energized state. USEC shall provide to the Alternate Contracting Officer Representative (ACOR), per this contract, access to all analyses, nondestructive assays (NDAs), hazardous material inventories, health physics (HP), industrial hygiene (IH), and Environmental data on the cells in a usable electronic format.

This contract is not to be construed as authorization for USEC to perform work or recover costs associated with USEC's currently leased facilities. To the extent that it is later determined that any of the cost reimbursed under this contract is a cost that should have been borne by USEC under the Lease, USEC shall reimburse DOE for such costs.

1.3 Deactivation Activities

USEC shall perform removal activities to reduce the Planned Expeditious Handling (PEH) deposits in both the X-326 and X-330 facilities in accordance with the currently approved Deposit Removal (DR) Plan. This process has a number of significant advantages to DOE from a criticality, security, cost, and future D&D worker safety standpoint. These deposit removal actions minimize potential criticality concerns in the X-326 process building during D&D by lowering the Highly Enriched Uranium (HEU) inventory and providing a safer disassembly of systems during D&D. Also, subsequent D&D actions can be performed following as-low-as-reasonably-achievable (ALARA) principles with less exposure to the worker and the environment.

Equipment necessary for the cell treatment process, including treatment gas storage and distribution systems, portable monitoring equipment, and evacuation and disposal systems, shall be operated under approved PORTS procedures and NRC authority. Equipment necessary for DR, including the PORTS purge cascade and any necessary additional X-326 cells, process building cold recovery systems, evacuation booster stations, and surge drums, shall be operated under approved USEC procedures.

Major work activities of the X-326 DR project shall include NDA to determine the location of the deposits, modifications to the cells to prepare the area for deposit removal, the UF6 deposit removal, and the down-blending of the deposits into American Society for Testing and Materials (ASTM) compliant material. Procedures and details of these processes will be performed in accordance with the present CSD DR activities.

Upon DOE's direction and approval, USEC shall perform requested optional deactivation activities on specified returned PORTS facilities and leased areas in a safe and secure condition. This will require AB modification to the returned Nuclear Category 2 facilities. The activities will be performed in such a manner as to minimize the S&M cost during the transition of the PORTS site in preparation for D&D operations in which equipment, and/or systems are not required to be maintained in an operational condition except for those required to maintain compliance with applicable regulatory requirements and to support present or future DOE activities.

Activities that may be performed under this contract under DOE and/or NRC authority following DOE approval include, but are not limited to:

DOE/NRC Authority:

- Down-grading of Nuclear Facilities to Radiological Facilities
- Toxic Substances Control Act (TSCA) Regulated and lube oil removal from the X-333 oil and transformer systems
- Elimination of preventative maintenance and other maintenance programs no longer required
- Elimination of cell monitoring programs no longer required
- Elimination of monitoring and buffering control systems no longer required
- Elimination of utilities and support systems no longer required
- The shutdown of the re-circulating water system, dry air system, and other support systems that may be required by D&D in the future
- Modifications to electrical systems that consolidate and minimize electrical usage but place the systems into Federal Energy Regulatory Commission (FERC) and North American Electric Reliability Corporation (NERC) compliance
- Interior Building Excess DOE Materials Removal, and
- Chemical/Hazardous Material Removal.

NRC Authority:

- NDA and DR of the uranium inventory within the PORTS process systems in X-326 and X-330, as requested
- TSCA Regulated and lube oil removal from the X-330 and X-326 oil and transformer systems, and
- Nuclear Inventory Recovery Operations of the Poly-Bottles and the Z & F Cans in the Uranium Management Center (UMC). Inventory considered consists of:
    - 341 to1350 Poly-Bottles, UMC Lot # 19 (options of 341, 569, or 1350 Poly Bottles), and
    - 1560 Z and F Cans, UMC Lot # 18

1.4 Regulatory Compliance

For S&M of deactivation activities within specified returned facilities, USEC shall be responsible for compliance with DOE regulations, as indicated under the terms and conditions of this contract. For DR activities and specified deactivation activities in USEC leased facilities, USEC shall be responsible for compliance with the Certificate of Compliance issued to USEC by the NRC dated December 29, 2003, as amended. USEC shall continuously promote and protect the health and safety of the public and workers, and provide common security by continuing the implementation of nuclear safety, safeguards, and security controls.

USEC is responsible for compliance with all applicable federal, state and local laws, permits, licenses and standards as it pertains related to environmental compliance and environmental quality. USEC is responsible for compliance with all Occupational, Safety and Health Administration (OSHA) requirements, including industrial hygiene and chemical safety requirements.

1.5 Project Management

USEC shall comply with DOE-approved Project Management methods to manage these activities. These include budget and plan submittals to establish baselines, baseline management and routine reporting as described in this SOW. A list of deliverables is attached (see section 7, Table 1 - Summary of Deliverables).

2.0 S&M OPERATIONS FOR X-333

2.1 Tasks

As defined in this SOW, S&M includes operating, management, and support activities required to transition PORTS towards D&D. USEC shall respond to DOE written inquiries within 30 days from the receipt of request unless otherwise agreed to so that matters can be addressed in a timely manner.

Operations equipment and systems are not required to be maintained in operational condition except for those indicated in the revised Cold Shutdown Requirements Document (CSRD) upon its approval and implementation. USEC shall maintain all specified returned facility equipment as necessary in accordance with this section of the SOW and the CSRD, as revised, reviewed, and approved by DOE. USEC shall submit to DOE the CSRD within 60-days after contract extension and semi-annually thereafter or as requested.

For the S&M of the projected Nuclear Category 2 Facilities under eventual DOE authority at the PORTS site, DOE has produced a draft BIO. It describes the projected conditions of the specified returned facilities, projected hazards in those facilities, the analysis to mitigate these hazards which places these facilities into an acceptable safety AB under DOE authority, and the Technical Safety Requirements (TSRs) and Safety Significant Components (SSCs) that make up an acceptable level of Documented Safety Analyses (DSAs) to perform S&M within a DOE AB. It also provides step out criteria which allows for the down-grade of these facilities to radiological facilities as the conditions change. It is anticipated that some of the present identified facilities may be radiological facilities prior to turnover and return of said facilities to DOE from USEC.

USEC shall utilize this draft BIO to demonstrate the acceptable technical commitment and liability to DOE such that DOE accepts the USEC S&M operations under acceptable DSA conditions. In order to provide continuity of operations during the regulatory transition, USEC can proceed with S&M activities because the pertinent NRC facility documents, including USEC's Safety Management Systems and procedures for S&M, should be adequate and temporarily acceptable when interfaced and implemented with DOE's draft BIO for these facilities.

As DOE approves deactivation and other activities to be performed in Nuclear Category 2 Facilities under DOE authority, USEC shall analyze the activities under the Unreviewed Safety Questions (USQ) Process and present positive USQ DSA information for DOE to determine the applicability of the new activities under a Safety Evaluation Report (SER).

USEC shall provide the implementation and interface effort along with documentation to support the transition of facilities from the current NRC regulatory environment to DOE authority. DOE expects USEC to present the SMS and procedures to the ACOR upon the contract extension for evaluation and DOE approval to ensure compliance with the anticipated BIO. Upon the completion of the SOW concerning X-333 in the CSD contract extension, USEC shall develop and provide a transition plan for the transfer of X-333 S&M responsibilities to the new D&D contractor.

2.2 Requirements

If the X-333 Process Facility is not returned by September 30, 2008, USEC shall provide continued S&M of X-333 under NRC authority into FY09 until the return of X-333to DOE.

The requirements for specified returned facilities will be the same as S&M under NRC authority and identified in the CSRD and Cell Monitoring Plan. As necessary, USEC shall review, revise, and implement the applicable changes to the plans to accurately reflect the conditions as the specified returned PORTS facilities transition to a fully shutdown condition. USEC shall submit to DOE the CSRD and the Cell Monitoring Plan within 60-days after contract extension and semi-annually thereafter or as requested. DOE will respond with approval, denial, or follow-up questions, in writing, within 30 days of plan(s) submittal.

2.3 Process Equipment

USEC shall perform preventative and corrective maintenance requirements consistent with the approved SOW to ensure that equipment remains in a safe and secure condition. A program description shall be maintained in the revised Project Execution Plan (PEP). The PEP shall be submitted to DOE for approval within 60-days after contract extension and semi-annually thereafter or as requested.

The maintenance management and work control system or other system shall include performance measures such as:

- Preventative Maintenance (PM) and Corrective Maintenance (CM) schedule performance
- Delinquent PM backlog
- CM backlog, and
- Operational exceptions tracking and approval.

USEC shall implement a revised Cell Monitoring Plan for transition of the monitoring for shutdown cells in adherence to meet NCS requirements. USEC shall define the revised Cell Monitoring Plan in a section of the Revised PEP. USEC shall review and submit to DOE for approval revisions to the Cell Monitoring Plan, within 60-days after contract extension and semi-annually thereafter or as requested.

2.4 Other Plant Utilities

USEC shall continue to operate and distribute other plant utilities for the specified returned facilities at the site on an "as needed" basis. USEC shall shutdown to a safe and secure condition all equipment and systems not required to meet DOE operational needs. All utilities, components and systems necessary for S&M activities to maintain the specified returned facilities in a "safe and secure" condition shall be routinely inspected and maintained per the Preventative and Corrective Maintenance Plan. Any utilities maintained by USEC for other than DOE operational needs shall be operated solely at USEC cost. Further, any costs for utilities maintained for both DOE and USEC operational needs shall be reimbursed by DOE on a pro rata share with DOE reimbursing solely those costs associated with its use of said utilities.

Until otherwise directed by DOE USEC shall perform, at a minimum, the following activities on the equipment that must be maintained in specified returned facilities:

- Operate dry air plant and nitrogen systems
- Routinely inspect and maintain operating valves and distribution systems
- Routinely inspect and maintain operating raw water wells, equipment and supply lines

- Maintain sanitary and make-up water treatment systems and equipment
- Maintain functioning cathodic protection system except for re-circulating cooling water (RCW) lines to avoid further degradation of the operational systems. Monthly rectifier readings should be taken and the settings revised to maintain the proper volts/amps; and
- Maintain the steam plant, steam distribution header, and condensate return system, as necessary.

2.5 Analysis to Reduce Cell Monitoring

USEC shall reduce cell monitoring on applicable shutdown cells to the minimum level necessary to meet NCS requirements including minimum systems support in non-leased facilities. USEC shall perform analyses to substantiate and verify that the CSD ASM cells are in a condition that allows the cell monitoring, RCW, buffer cell inlet, lube oil, etc., to be secured, leaving the associated cells in a de-energized state. Changes to the plant configuration as described in the BIO will be evaluated utilizing the USQ Determination process and any positive USQs will have safety and NCS analyses performed to support the desired changes for approval through a Safety Evaluation Report (SER).

USEC shall conduct cell monitoring as required for NCS requirements in accordance with the Cell Monitoring Plan submitted, reviewed and revised within 60-days after contract extension and semi-annually thereafter or as requested. Upon DOE approval, USEC shall remove cells from the Cell Monitoring Plan only after NCS analysis confirms that hazards are reduced to a level that does not require the buffering system and other associated systems as per the requirements of the contractor's approved procedures and processes.

2.6 Minimizing S&M

As the analysis identifies systems and equipment that are no longer required, the S&M on such systems and equipment will cease in the most cost effective, efficient and timely manner. USEC shall limit S&M in non-leased facilities and other site ancillary and auxiliary systems to the minimum level required in accordance with AB documentation. USEC shall propose system and equipment modifications by submittal of a revised PEP for DOE approval. USEC shall minimize systems such as operating, auxiliary, ventilation, and electrical as approved by DOE. In its quarterly reports, USEC shall identify and document maintenance reductions and other activities to minimize S&M for non-essential equipment and systems in the non-leased facilities.

USEC shall propose additional S&M modifications or reductions by submittal of a revised PEP and corresponding CSRD within 60-days after contract extension and semi-annually thereafter or as requested, for DOE approval.

2.7 Primary Cascade Auxiliary Systems

Freon (R-114) shall remain in the cascade coolant system, stored in tank cars or in some other mutually agreed upon option(s) to cost effectively minimize coolant losses. Such storage or retention options shall comply with the previously approved R-114 Management Plan with recommendations for monitoring and minimizing coolant losses. USEC shall submit a revised R-114 Management Plan to DOE within 30-days upon contract extension or as requested, and include periodic calculation of plant R-114 inventory, leak testing of equipment containing R-114 as requested, and calculation and trending of R-114 losses. Periodic removal of coolant from the system is anticipated from time to time under separate contractual mechanisms. USEC shall also maintain equipment resources and infrastructure availability (i.e. cranes, man lifts, forklifts, trucks, dry air, etc.) per the CSRD.

2.8 Support Services

USEC shall provide, on a pro-rated basis, support services, and utilities required to maintain specified returned PORTS facilities and DOE funded activities, in a safe and secure condition. This includes the personnel and facilities required to maintain a trained and qualified staff in performing activities as stated in this SOW. As the requirements of support services and infrastructure for each of the tenants on site are defined and taken over within the different operations and contractual arrangements, USEC will monitor and adjust these services to align allocated costs with the needs of the tenants.

Previously USEC has written and submitted to DOE the plans defining the services listed below. As DOE contractual vehicles are awarded, DOE will provide written determination as to which services DOE will no longer need USEC to provide. Until such time USEC shall allocate these services on a prorate basis based on site usage. The support services considered include, but are not limited to:

- Laboratory Services
- Fire Protection
- Health Physics
- Industrial Hygiene
- Industrial Safety
- Environmental Compliance
- Waste Management
- Security
- Medical
- Records Management/Document Control
- Emergency Management
- Engineering/Technical Support
- Nuclear Criticality Safety
- Nuclear Material Control and Accountability
- Training
- Procedures
- Quality Assurance
- Existing Work Authorizations
- Warehousing
- Employee Services
- Transportation, and
- Commitment Tracking System.

2.9 Beryllium Activities

For those workers in specified returned facilities, USEC shall make permanent the Beryllium controls that are currently in place to protect workers. This includes, procedure development, training, and with modifications to maintenance, work control, Industrial Hygiene/Safety and operational procedures. The work identified within the Beryllium areas shall be performed in accordance with all applicable laws, regulations, agreements, permits, and orders, including but not limited to DOE 10 Code of Federal Regulations (CFR) 850.

Based on requirements in the Beryllium Surface Contamination Characterization Statement of Work (US24918, October 1, 2003), as well as controls set forth in DOE 10 CFR 850, USEC has adopted the DOE Release Criterion of 0.2 micrograms (μg)/100 centimeters squared (cm^2) as its Level of Concern (LOC) and the DOE Housekeeping limit of 310 μg/100 cm^2 as its Level of Immediate Concern (LOIC).

USEC shall:

- Continue medical surveillance of the employees which have been identified as Beryllium workers
- With DOE approval perform Beryllium decontamination consistent with the release and housekeeping criteria identified above.
- Isolate major contamination until DOE approves decontamination, and
- Provide DOE with access to electronic records of all Beryllium characterizations, assessments, surveillances, and decontamination work.

2.10 Down-grading Nuclear Facilities to Radiological Facilities

USEC shall analyze the possibility of down-grading specified returned facilities from Nuclear Category 2 condition to Radiological condition, including the X-333 facility. USEC will verify that the step out guidance analysis provides a result that is in compliance with DOE regulations (Part 830 and associated regulations). If compliance with DOE regulations can be shown, USEC shall perform this analysis using the DOE BIO step out guidance for down-grading Nuclear Category 2 Facilities. USEC shall identify what actions are required to proceed with down-grading X-333 and the elimination of significant systems previously needed, including the CAAS system.

2.11 S&M Monthly Reports

USEC shall submit a S&M Systems Report monthly (by the 20th calendar day of each month) after contract extension or as requested to DOE for status of all specified returned facilities S&M systems as required by the CSRD. This report shall also include the status of shutdown equipment. If deficiencies exist, a Corrective Action Plan shall be submitted, within 10-days after identification of a deficiency for DOE review and approval, as appropriate, detailing how and when the deficiencies will be corrected. The S&M status report, in compliance with DOE O 413.3A, shall also contain project earned value metrics using standard DOE earned value reporting techniques. If the overall cumulative cost performance is greater than five percent above the baseline and/or the cumulative schedule performance is greater than 10% behind or ahead of the baseline, a corrective action plan shall also be submitted detailing how and when the deficiencies will be corrected.

3.0 DEACTIVATION ACTIVITIES

3.1 General Tasks Associated with Deposit Removal

USEC shall maintain plant operations and operate the purge cascade to support the uranium deposit (UD) removal activities approved by DOE. USEC shall monitor these operating cells according to procedure, K/PS-1141 (Confidential), Barrier Protection During Standby Storage. USEC shall also maintain the deposit removal areas of the plant in a safe and secure condition. USEC shall provide the analysis under this contract and all NDAs to DOE in a usable electronic format. Additional information such as Hazardous Material inventories, HP and IH documentation, and Environmental data shall be provided under this contract in a usable electronic format.

Cell treatment process equipment, including treatment gas storage and distribution systems, portable monitoring equipment, and evacuation and disposal systems necessary for the cell treatment process to proceed shall be operated under approved USEC procedures. Additional systems to support DR include the PORTS purge cascade cell and any additional X-326, X-330, X-342, and X-344 components, process building cold recovery systems, evacuation booster stations, and surge drums.

All UF6 resulting from cell treatments and down-blending shall be withdrawn and packaged in DOT approved UF6 cylinders. The gaseous byproducts of the treatment process shall be cleaned of any UF6 residual through process building cold traps and/or the purge cascade, and vented to atmosphere through chemical traps and a monitored stack. All cylinders, DOE or USEC, shall be provided, moved, and stored by USEC. All DR activities shall be conducted in accordance with current USEC plant procedures.

The equivalent amount of UF6 removed during deposit removal pursuant to this contract shall be segregated into DOE-owned new cylinder(s) and become the property of DOE. This UF6 will meet either:

- Current ASTM C-787-90 specifications for Tc-99 in natural UF6 feed and in commercial grade enriched up to 4.95% U-235 is 1 part per billion (ppb) total uranium (U), or

- An equivalent amount of ASTM material meeting current USEC and customer specifications for PORTS product up to 4.95% U-235 at 10 ppb total U.

USEC shall maintain sufficient operations and laboratory work force to conduct cell treatments and operate all auxiliary equipment necessary for the cell treatment project. These costs shall be segregated in accordance with cost accounting principles to ensure that all the costs incurred on this project are allocable for the services and activities requested. If USEC is unable to process any of the UF6 material to the above criteria, USEC will immediately notify DOE and request further direction.

3.2 Deposit Removal of X-326 Deposits under NRC Authority

USEC shall submit to DOE for approval and implement a revised Deposit Removal Plan for X-326, within 30 days of contract extension. This DR work and includes the following:

- Completion of the NDA surveys of selected cells (currently estimated to be approximately 100) in the total X-326 identified components containing PEH deposits (currently estimated at 300) by the end of FY09, and
- Treatment of a significant number of HEU PEH deposits in X-326 with the goal of achieving ASM in accordance with USEC procedure XP4CO-CM9709, Classifying and Handling Equipment Containing Uranium Deposits.

3.3 Remaining X-330 Deposit Removal

Upon DOE approval and per NRC requirements and USEC procedures, USEC shall continue to perform X-330 DR. USEC shall analyze the deposits to determine any alternate pathways for removal. For present chemical removal operations approved by DOE, refer to sections 3.1, General Tasks Associated with Deposit Removal and 3.4 Deposit Removal Baseline and Reporting, of this SOW.

3.4 Deposit Removal Baseline and Reporting

USEC shall prepare and submit the X-326 and X-330 DR schedule in a Work Breakdown Structure (WBS) format within 30-days after contract extension and updated monthly thereafter. The X-326 and X-330 DR schedule shall describe the activities, identify the facilities and personnel required to meet the requirements of this SOW. The schedule will be at a level of detail that project sub-activities can be clearly evaluated and understood. All work activities should be assumed to be performed under the existing USEC NRC certificate of compliance. Within 60-days after contract extension, USEC shall submit a revised DR PEP. The DR PEP shall detail, but is not limited to, the project technical scope, the LOE, Environmental Safety and Health (ES&H), nuclear criticality safety, waste management, schedule, project management and controls, and reporting requirements. The DR PEP shall also identify all

facilities and systems required to support the X-326 and X-330 DR. USEC shall include the shipping and disposal of secondary waste associated with its activities. USEC may utilize other contractors for the performance of specified waste disposition work.

USEC shall provide a revised DR Plan for X-326 within 30 days of contract extension and a DR Status Report for X-330 within 30-days after contract extension. A DR status report for both X-330 and X-326 shall be updated and provided monthly thereafter. The status report shall identify when treatment of each of the cell deposits is initiated and completed. The report shall be consistent with USEC's current reporting methods and disclosure statement.

3.5 TSCA Regulated and Lube Oil Removal from X-326, X-330, and X-333

USEC shall utilize existing procedures to remove remaining TSCA regulated and lube oil from the X-326, X-330, and X-333 systems for commercial disposition. Upon DOE approval, USEC shall perform this activity within the boundaries of USEC's NRC certificate or a modified BIO for a radiological facility. USEC shall process the TSCA regulated and lube oil from other facilities for commercial disposition in accordance with USEC programs only upon approval from DOE.

3.5.1 TSCA Regulated Oils Disposition

USEC shall conduct all activities including sampling, characterization, removal, handling and preparation for the commercial shipment of TSCA regulated oils disposition in accordance with all applicable laws, regulations, agreements, permits, and orders. USEC shall meet NRC requirements for the X-326 and X-330 systems and DOE requirements for X-333 systems if applicable. USEC shall use Department of Transportation (DOT) approved shipping cargo tankers and shall notify DOE of its shipping schedule date prior to each shipment. The TSCA regulated oil systems shall be drained and/or maintained in a safe and stable condition.

As an alternative to commercial disposition, DOE may request USEC to continue DOE TSCA regulated oils disposition in accordance with the Oak Ridge TSCA Incinerator (TSCAI) FY2007 – 2009 Burn Plan, dated 10/24/06 (approved by both DOE and the State of Tennessee EPA) and Waste Acceptance Criteria (WAC).

3.5.2 Lubricating Oils Disposition

USEC shall conduct all activities including sampling, characterization, removal, handling and preparation for the commercial shipment of DOE lubricating oils disposition in accordance with all applicable laws, regulations, agreements, permits, and orders. USEC shall meet NRC requirements for the X-326 and X-330 systems and DOE requirements for X-333 systems if applicable. USEC shall use DOT approved shipping cargo tankers and shall notify DOE of its shipping schedule date prior to each shipment.

As an alternative to commercial disposition, DOE may request USEC to continue DOE lubricating oils disposition in accordance with the Oak Ridge TSCAI, FY2007 – 2009 Burn Plan, dated 10/24/06 (approved by both DOE and the State of Tennessee EPA) and WAC. The lube oil systems shall be drained and/or maintained in a safe and stable condition.

3.6 Electrical System Modifications

For specified returned facilities, USEC shall modify the electrical systems to consolidate and minimize electrical usage. Upon DOE approval, USEC shall place these electrical systems into FERC and NERC

compliance. USEC shall continue to implement the Switchyard Reliability Upgrade plan developed in FY06 for the X-530 Switchyard.

As part of this SOW, USEC shall de-energize and buffer all transformers and gas circuit breakers on service lines less than 100 KVs in specified returned facilities that are not needed for DOE operations. In the event, USEC needs certain service lines less than 100 KV for its own use, it shall be solely responsible for the cost associated with such lines. Further, in the event any such lines are necessary for both DOE and USEC operations, the cost of maintenance of the lines will be split between USEC and DOE on a pro-rata basis based on electricity usage.

For specified returned facilities, USEC shall perform routine inspections and maintenance on all power components and systems below 100 KVs necessary to support ongoing operations. USEC shall perform the following activities on all equipment maintained as requested by DOE:

- Respond to interruptions in power to S&M facilities
- Maintain the necessary 15 KV auxiliary switchgear for process building alternate heat sources in the winter months (5 – 7 MW)
- Buffer all other transformers not needed for DOE operations unless they are needed to support USEC or other site contractors at their expense; and
- Exercise/test the 15KV circuit breakers according to the established test schedule to be included or referenced in the Contractor Maintenance Management and Work Control Program.

3.6.1 Switchyard Operations & Maintenance Reports to DOE

As part of this SOW, USEC shall submit to DOE the following Switchyard Operations & Maintenance Reports and testing schedules:

- Provide Switchyard Operations & Maintenance Report and Testing Schedules, annually
- Provide updates to the Ohio Valley Electric Company (OVEC) Reliability Concerns Gap Analysis between OVEC and DOE, quarterly; and
- Provide updates to Switchyard Operations and Maintenance activities, quarterly, within 30 days following the quarter, to include compliance with the current regulations and requirements, test data, records of inspections, calibrations, repairs and installation activities within the switchyards.

3.7 Nuclear Inventory Recovery Operations – F&Z Cans UMC Lot # 18

At DOE's request and per NRC requirements and USEC procedures, USEC shall down-blend 1560 F&Z Cans, from the UMC Lot # 18, of high assay triuranium octaoxide (U_3O_8), to an assay of no more than 4.95% enrichment and remove/reduce impurities to ASTM specifications. The process involves down-blending the material to no more than 4.95% enrichment, filtering impurities and calcining the material into uranium oxide. The resulting material shall be packaged to meet Portsmouth onsite storage and when appropriate, for transportation requirements and eventual commercial disposition.

The project shall be divided into two phases. Phase I will test the technical approach to ensure the end product meets ASTM C1334-96 / C 996-04 specifications with random material chosen. Phase II is full-scale production of remaining F&Z cans of U_3O_8.

3.8 Additional Deactivation Activities Under DOE Authority within Specified Returned Facilities

In preparation for the ultimate D&D of the site, DOE may elect to have USEC perform the below activities under DOE authority. DOE will not direct USEC to conduct any activity until DOE approves a USEC certified cost proposal for such activity

The additional deactivation activities performed for specified returned facilities under DOE authority could include, solely at DOE's discretion:

- Elimination of PM and Maintenance Activities
- Elimination of Cell Monitoring Programs
- Elimination of Monitoring and Buffering Control Systems
- Elimination of Infrastructure, Utilities and Support Systems
- Interior Building Excess DOE Materials Removal
- Chemical/Hazardous Material Removal

3.8.1 Elimination of PM and Maintenance Activities

USEC shall continue the elimination of PM and maintenance activities on specified and/or shutdown equipment in the specified returned facilities under USEC's control per DOE approval. DOE expects S&M activities to become less frequent as facilities are transitioned from an operational to a D&D condition.

3.8.2 Elimination of Cell Monitoring Programs

USEC shall continue the elimination of cell monitoring on specified and/or shutdown equipment in the specified returned facilities under USEC's control and per DOE approval.

USEC shall eliminate monitoring cells for any purpose other than maintaining NCS conditions and only perform cell monitoring programs on the shutdown cells for the purpose of meeting NCS requirements for ASM conditions. NOTE: Without cell monitoring, there would be no advanced notice to the presence of hydrogen fluoride (HF) prior to opening process systems.

3.8.3 Elimination of Monitoring and Buffering Control Systems

USEC shall continue the elimination of monitoring and buffering control systems. USEC shall limit the number of buffered cells requiring monitoring to only those containing uranium deposits above the ASM limit. NOTE: Without buffering, any introduction of wet air into the process systems will create HF and expose workers to this hazard upon opening. USEC shall purge and buffer process auxiliary systems normally containing UF6 as they are placed in shutdown conditions per the CSRD to eliminate suspected Tc-99 concentrations. Otherwise, USEC shall operate auxiliary systems instrumentation so that pressures, temperatures, and other parameters are monitored on PEH cells as required. With DOE approval, purging of certain auxiliary systems utilized in DR activities and other DOE operations may be deferred until the DR activities and Tc-99 Cleanup Program are completed. Purging and buffering required for NCS safety shall have been completed, including purging those identified areas based on process knowledge that are likely to have significant Tc-99 concentrations.

USEC shall use the knowledge and technology developed as part of the Gaseous Diffusion Plant enrichment operations and/or the refinement of existing technologies for either in-situ treatment or mechanical removal of Tc-99 in identified areas.

3.8.4 Elimination of Infrastructure, Utilities and Support Systems

USEC shall continue the elimination of infrastructure, utilities and support systems and continue to place X-333 and other specified returned facilities, as acquired, into a more "cold and dark" state when systems are no longer required to maintain the facility in a safe and secure condition. This will include elimination and modification of infrastructure, utilities, and support systems into a deactivated state. These systems include, but are not limited to, dry air systems, nitrogen systems, R-114 systems, cell control systems, steam systems, electrical systems, sewer systems, water systems, oil systems, etc.

Prior to return of the steam plant, DOE may accept steam system modifications, including, but not limited to, the deactivation/draining of the steam plant, steam distribution headers and the condensate return systems.

3.8.5 Interior Building Excess DOE Materials Removal

- USEC shall prepare an Excess Materials Disposition Plan, for the characterization, handling, packaging, shipping and disposition of excess materials from the specified returned facilities for DOE approval, within 30-days of DOE's acceptance of the certified cost proposal. USEC shall comply with all DOE requirements for property asset transfers and disposition. The objective is: 1) to provide a detailed inventory of DOE materials proposed for disposition with their location, description and general character regarding chemical or radiological conditions and a schedule for separation of materials; 2) Identify the material inventory that DOE or USEC will eventually disposition on site; 3) Identify the material that both parties agree they own; 4) Separate the material into USEC and/or DOE material, waste, and/or property; 5) for USEC to manage its materials in accordance with the lease turnover requirements prior to the return of leased facilities to DOE; and 6) for USEC to separate and remove DOE property to the authorized collection areas for department notification and disposition.

3.8.6 Chemical/Hazardous Material Removal

USEC shall submit a Chemical and Hazardous Materials Disposition Plan for DOE approval, within 30-days of DOE's acceptance of the certified cost proposal, for the removal of chemical and hazardous items within specified returned facilities. This plan shall include, but is not be limited to, the characterization, separation, packaging, handling, shipping, disposing, and/or transfer for reuse of chemical and hazardous materials. USEC shall comply with DOE requirements for property asset transfers and disposition. USEC's objective shall be to: 1) Identify the material inventory that DOE or USEC will eventually disposition on site; 2) Identify the material that both DOE and USEC agree on the ownership of; 3) Separate the material into USEC and/or DOE material, waste, and/or property; 4) manage USEC materials in accordance with the lease turnover requirements prior to the return of leased facilities to DOE; 5) separate and remove DOE property to the authorized collection areas for department notification and disposition; and 6) submit to DOE for approval within 180-days after contract extension, a Chemical and Hazardous Materials Disposition Plan that includes:

- A detailed inventory of DOE materials proposed for disposition with their location, description and general character regarding chemical or radiological conditions and a schedule for separation of materials; and

- Identification of any necessary equipment needed for the completion of the above scope (items 1 through 6).

3.9 Optional Deactivation Activities Under NRC Authority within Leased Facilities

In preparation for the ultimate D&D of the site, DOE may elect to have USEC perform the below activities under NRC authority. DOE will not direct USEC to conduct any activity until DOE approves a USEC certified cost proposal for such activity.

Deactivation activities and options for leased facilities under NRC authority could include, solely at DOE's discretion:

3.9.1 Nuclear Inventory Recovery Operations – Poly Bottles UMC Lot # 19

Upon DOE approval and per NRC requirements and USEC procedures, USEC shall down-blend 341, 569, or 1350 poly-bottles of high assay uranyl nitrate solutions to an assay of no more than 4.95% enrichment and remove/reduce impurities to ASTM specifications. The process involves down-blending the material to no more than 4.95% enrichment, filtering impurities and calcining the material into U_3O_8. The resulting material will be containerized as directed by DOE to be stored onsite prior to eventual transportation or disposition.

The project shall be divided into two phases. Phase I will test the technical approach to ensure the end product meets ASTM C1334-96 / C 996-04 specifications with random material chosen. Phase II is a full-scale production of either 341, 569, or 1350 poly-bottles of uranyl nitrate to U_3O_8, also known as yellow cake. DOE will determine the number of poly-bottles to be processed.

4.0 REGULATORY COMPLIANCE

USEC shall promote and protect the health and safety of the public and workers, and provide common security by continuing the implementation of nuclear safety, safeguards, and security controls.

USEC is responsible for compliance with all applicable federal, state and local laws, permits, licenses, and standards as it pertains to environmental compliance and environmental quality. USEC is responsible for compliance with all OSHA requirements, including industrial hygiene and chemical safety requirements.

4.1 DOE Regulatory Requirements

For the S&M and any deactivation activities requested by DOE for the specified returned facilities, USEC shall comply with the DOE orders, all other regulatory requirements identified in lists A and B of this SOW and the BIO, TSR. USEC shall also maintain the design basis, manage a Corrective Action Program, and continue the Problem Reporting System, Event Reporting Program, and Operating Experience Review System. USEC shall prepare and obtain approval of all necessary AB amendments caused by DOE directed S&M operations.

4.2 Nuclear Regulatory Commission Requirements

Specific to tasks listed in this SOW and requested by DOE in USEC-leased facilities; USEC shall be responsible for full compliance with the latest revision to its Certification of the Application to the NRC, in accordance with the AEA of 1954, as amended by the Energy Policy Act of 1992 and 10 CFR 76.

USEC shall maintain, in certifiable condition, all portions of the Application, including the Safety Analysis Report, Technical Safety Requirements, and all other portions of the existing application. USEC shall also maintain the design basis, manage a Corrective Action Program, and continue a Problem Reporting System, Event Reporting Program, and Operating Experience Review System. USEC shall prepare and obtain approval of all necessary application amendments due to CSD operations.

4.3 Environmental Protection Requirements

Specific to tasks listed in this SOW and requested by DOE, USEC shall perform all environmental program responsibilities including but not limited to the Clean Air Act, Clean Water Act, RCRA, TSCA, Superfund Amendments Reauthorization Act/Emergency Planning and Community Right-to-Know Act, National Emission Standards for Hazardous Air Pollutants and National Pollutant Discharge Elimination System. USEC shall perform surveillance monitoring, obtain meteorological data, and conduct sampling and analysis required to maintain program compliance.

USEC is responsible for compliance with all applicable federal, state and local laws, permits licenses and standards as it pertains to environmental compliance and environmental quality. USEC is responsible for compliance with all OSHA requirements, including industrial hygiene and chemical safety requirements.

4.4 Health and Safety Program

USEC shall comply with OSHA Parts 1910 and 1926 regulations. USEC shall provide required surveys, permits, monitoring and work surveillance activities in order to provide protection to the workers and public. USEC's health and safety program shall include, but not be limited to, an emergency management program, fire protection program, and health physics program.

4.5 Waste Management Program

USEC shall manage all wastes generated as a result of DOE requested activities in compliance with RCRA, TSCA, and all other applicable federal and state regulations. USEC is responsible for treatment, storage and disposal of such wastes in accordance with this SOW. USEC shall comply with the USEC Waste Management Program. USEC shall employ a Waste Minimization Program and Pollution Prevention Program in order to minimize the treatment, storage, transportation, and disposal of waste volumes. USEC shall ensure actual disposal charges are directly invoiced to DOE for payment.

4.6 Transportation Program

USEC shall ensure that all packaging and transportation of radioactive materials and wastes are performed in accordance with all DOE and NRC (as applicable), DOT, federal, state and local regulations and the Physical Security Plan for the Transportation of Special Nuclear Material of Low Strategic Significance Waste.

5.0 PROJECT MANAGEMENT

DOE-approved project management methods will be used to meet the operational and budget requirements outlined in this SOW. These include, but are not limited to, budget and plan submittals to establish baselines, baseline management and routine reporting as described in this SOW.

5.1 Baseline Management

USEC shall submit to DOE, within 60-days of contract extension or as requested, for DOE approval, an updated Project Baseline in WBS format, which addresses each major portion of the work to be performed within the WBS. The baseline shall include a precedence network diagram using the critical path method to show each essential activity in sequence to meet the requirements of the Contract. The diagram shall show duration and dependencies (predecessors and successors) including off-jobsite activities such as design, fabrication of equipment, procurement and delivery of materials, and any float and free-float durations. The baseline shall be fully loaded with all resources necessary to complete the work.

Each activity in the baseline shall, at a minimum, contain the following information:

- Identification by task/event number
- Description of the task or event
- Duration
- Personnel by discipline and craft
- Equipment
- Key milestones
- Earliest start and finish dates; and
- Latest start and finish dates

5.2 Project Execution Plan

For within scope contract change approvals related to S&M, deactivation activities and deliverables, USEC shall submit an updated PEP to DOE for review and written approval, within 60-days after contract extension and semi-annually thereafter or as requested. The PEP shall consist of the following elements:

- Mission need and justification
- Project objectives
- Project description
- Organizational structure (roles, responsibilities, authorities, accountability)
- Program and project management and support functions
- Safety analysis support functions (health physics, ES&H, etc.)
- Resource requirements
- Risk management issues
- Readiness reviews
- Technical consideration
- Sustainable building design (configuration management, system engineering, reliability, maintainability and quality assurance)
- Records retention plan
- Project cost, schedule and scope baselines including separately identified contingencies
- Descriptions of the baseline change control process including WBS levels 0, 1, 2 and 3
- Baseline change control thresholds
- Life-cycle post
- Project controls system, and
- Reporting system

5.3 Records Retention

USEC shall retain all records associated with this SOW. Within 30-days after the conclusion of work under this contract extension, USEC shall submit to DOE a Contract Records Inventory of all records, convert all the records into an acceptable electronic format for long term retention, and develop a summary inventory of all records. All records shall be maintained in accordance with ASME Nuclear Quality Assurance (NQA)-1-1989. All records used in the performance of this contract will be provided to DOE upon request.

All operational records generated in support of CSD activities shall be maintained and turned over upon completion of the CSD activities or the return of the facility according to the July 1, 1993 Lease Agreement between USEC and DOE. This shall include, but not be limited to, NDA measurements associated with deposit removal, number of shots and pounds of treatment gases used during deposit removal, quantity and assay of gaseous uranium compounds generated during deposit removal, analytical data associated with deposit removal, any cell-related maintenance required before and during deposit removal, R-114 inventory, building temperatures, preventive and corrective maintenance performed, copies of all operating and maintenance procedures, cell monitoring data, and status reports required by this Contract.

5.4 Proposed Changes

USEC shall, subject to established change control thresholds, submit to DOE for its written approval all proposed changes to the Baseline Schedule, Narrative Plan and/or Performance Plan prior to implementation. USEC shall also furnish DOE with revised documents within ten business days of approval by DOE for each proposed change. Submittals shall be made over the course of the Contract whenever a change occurs consistent with the Baseline Change Proposal approval process.

6.0 REPORTS AND REVIEWS

6.1 Reports

USEC shall submit to DOE periodic Contract Performance of Work reports on actual and forecast progress. All Contract Performance of Work reports shall be submitted by the 20th calendar day of the month following contract extension and monthly thereafter. These reports include, but are not limited to, the following:

- The current USEC schedule showing actual performance to date for the major portions of work. A comparison shall be made against planned progress as shown in the current approved Baseline Schedule utilizing DOE's established Earned Value Management System (EVMS)
- A forecast schedule for the remainder of the fiscal year showing actual progress to date and forecasted progress through the end of the fiscal year for the major portions of the work within each pay item
- Current staffing level and cost
- A rolling three-month staffing forecast by personnel job classification (salaried, bargaining unit and subcontractor)
- The current actual percent complete (performance) and actual cost. A comparison shall be made against planned performance and cost
- The calculated variation of both performance and cost against the approved Baseline Plan and a narrative which describes the reason, impact and corrective action for each variance

- Major accomplishments for the current month and identification of any significant issues, concerns and accomplishments
- Programmatic/technical issues that affect cost or schedule performance and are considered outside the control of USEC
- Performance milestones which have been identified within this SOW
- A status report, which summarizes deposit removal progress, total recovered UF6, latest available vent stack monitoring results, maintenance accomplishments and issues, CSD status of cascade and support systems, and any other information deemed pertinent by USEC and/or DOE, and
- S&M accomplishments and issues and any other information deemed pertinent by USEC and/or DOE.

6.2 Reviews

USEC shall respond to DOE inquiries within 30 days from the receipt of request unless otherwise agreed to, so that discrepancies can be addressed in a timely manner. Changes in contract direction and funding profiles shall also be addressed in an expeditious manner so that the project can stay within the content of the contract at all times.

USEC shall prepare and conduct Integrated Program Reviews quarterly after contract extension, for DOE. USEC shall provide cost and schedule performance and milestones status to DOE which describes progress as measured against the SOW. The review shall focus on baseline performance, activities prioritization and emerging issues affecting site operations and project performance. Scope and the WBS level at which the review will occur shall be established by PPPO in consultation with USEC.

Quarterly Integrated Program reviews shall be structured to cover the following topics and include the following materials:

- For the previous quarter (near-term) and contract to date (long-term): Accomplishments and Status, Critical Path Activities, Key Milestones and Project Risk; EVM Summary; Technologies Implemented and Status; Issues and Challenges (include Regulatory, Safety and Health).
- For the upcoming quarter (near-term) and remainder of the Contract (long-term): Planned Accomplishments, and Issues and Challenges.
- Photographs of activities (in progress or complete) and graphics demonstrating accomplishments should be included to the highest extent possible.

Information from the Quarterly Integrated Program reviews described above must be provided on electronic format to the DOE Team Lead so that the Team Lead can conduct the review with EM-1, the Office of Engineering and Construction Management and other program offices.

6.3 DOE Inspections/Assessments

USEC shall allow DOE and DOE-authorized prime Contractor or subcontractor personnel to perform routine and non-routine inspections and assessments of activities performed under this SOW. Some of these inspections and assessments will be scheduled with USEC in advance and others will be unannounced. USEC is required to provide free and open access for observation of all activities performed under this SOW. USEC shall provide documents and records of activities performed under this SOW to DOE and DOE-authorized prime or subcontractor personnel upon request by such personnel.

6.4 Final Report

USEC shall submit to DOE a Final Report at the conclusion of the CSD contract which summarizes all work performed and the final status of all equipment and systems. The report shall include, but not be limited to, summary of costs, actual cost data by general cost categories, corrective action status, summary of improvements and lessons learned for use in subsequent DOE efforts.

7.0 SUMMARY OF DELIVERABLES

USEC shall provide all deliverables outlined in this SOW in accordance with the specified schedule (see Table 1). Documents shall be submitted in Word, Excel, Microsoft Project and/or Primavera so that the data can be integrated with other site documents. Specifically, NDA data shall be provided in an Excel format to give DOE full editorial rights when inputting into other site radiological data systems. Further, USEC shall not provide any documents or deliverables in a format that is accessible only by USEC proprietary software.

Monthly reports, unless otherwise stated, shall be submitted by the 20th calendar day of each month.

TABLE 1

Summary of Deliverables (Cold Shutdown Contract)

SUBJECT	SCHEDULE	REFERENCE
Safety Management Systems Documentation	Prior to contract extension and any Nuclear Category 2 Facility change	1.2
Transition Plan for the transfer of S&M Responsibilities	Upon D&D contract award	1.2
Cold Shutdown Requirements Document	Within 60-days after contract extension and semi-annually thereafter or as requested	2.1, 2.2, 2.6
Cell Monitoring Plan Section of PEP	Within 60-days after contract extension and semi-annually thereafter or as requested	2.2, 2.3, 2.5
Project Execution Plan	Within 60-days after contract extension and semi-annually thereafter or as requested	2.3, 2.6, 5.2
R-114 Management Plan	Within 30-days after contract extension or as requested	2.7
S&M Systems Monthly Report	Monthly (by the 20th calendar day) after contract extension or as requested	2.11
Corrective Action Plan	Within 10-days after identification of a deficiency	2.11
Revised Deposit Removal Plan for X-326	Upon contract extension	3.2, 3.4
X-326 and X-330 Deposit Removal Schedule	Within 30-days after contract extension and updated monthly thereafter	3.4
Revised Deposit Removal Program Execution Plan	Within 60-days after contract extension	3.4
DR Status Report for X-326 and X-330	Within 30-days after contract extension and updated monthly thereafter	3.4
Switchyard Operations & Maintenance Report (include Testing Schedules)	Annually	3.6.1
Interconnection Agreement, Section 3.1, updates (formally OVEC GAP Analysis)	Quarterly	3.6.1
Switchyard Operations and Maintenance, non-proprietary updates	Quarterly, within 30 days following the quarter	3.6.1
Excess Materials Disposition Plan	Within 180-days after contract extension	3.8.5
Chemical and Hazardous Materials Disposition Plan	Within 180-days after contract extension	3.8.6
Updated Project Baseline in WBS format	Within 60-days of contract extension or as requested	5.1
Contract Records Inventory	Within 30-days after the conclusion of the CSD contract	5.3

Contract Performance of Work (EVMS) • Forecast • Staffing Levels • 3-Month Staffing Forecast • Current/Actual Percent Complete (performance and actual cost) • Performance and Cost Variance Analysis • Major Accomplishments • Programmatic Technical Issues • Performance Milestones • DR Removal progress • UF6 recovery • Vent stack monitoring • Maintenance accomplishments/issues • CSD status of cascade and support systems • S&M accomplishments and issues	By the 20th calendar day of the month following contract extension and monthly thereafter	6.1
Integrated Program Reviews	Quarterly after contract extension	6.2
Final Report	Conclusion of the CSD Contract	6.4

PORTSMOUTH

APPLICABLE LAWS, REGULATIONS, DIRECTIVES

Pursuant to Section I clause 970.5204-2 Laws, Regulations and DOE Directives (Dec 2000), the following contains the list of laws, regulations (List A), and the list of directives (List B), applicable to work performed under this contract. Omission of any applicable law or regulation from List A does not affect the obligation of USEC to comply with such law or regulation.

List A

	CONSENSUS STANDARDS
	American industrial hygiene Association (AIHA) "Emergency Response Planning Guidelines (ERPG's)"
	IEEE N323A – "Radiation Protection Instrumentation Test and Calibration-05/01/97"
	American Public Health Association, American Water Works Assoc., Water Environment Red., "Standard Methods for Water and Wastewater" (most current version)
	B.O.C.A., Uniform Building Code or Local Fire and Building Codes
	U.S. EPA Manual, SW 846, "Test Methods for Evaluating Solid Waste" (most current version) Nov. 1986
	U.S. EPA Manual, "Contract Laboratory Program Statement of Work for Organic and Inorganic Analyses" (most current version)
	U.S. EPA Manual, 400-R-92-001, "Manual of Protective Action Guides and Protective Actions for Nuclear Incidents" 1991
	Statement of Federal Financial Accounting Standards 6, 87, 106, 132

	PUBLIC LAWS
5 U.S.C. 552 et seq.	Freedom of Information Act (FOIA)
18 U.S.C. 1170 and 25 U.S.C. 3001	Native American Graves Protection and Repatriation Act of 1990
20 U.S.C., Ch. 6A, Sec. 107a	Randolph-Sheppard Vending Stand Act, as amended
29 U.S.C. 401 et seq.	Labor-Management Reporting and Disclosure Act of 1959
40 U.S.C. 20	Federal Motor Vehicle Expenditure Control
41 U.S.C. 422	Cost Accounting Standards Board
42 U.S.C. 2021 et seq.	Low-Level Radioactive Waste Policy Act, as amended
42 U.S.C. 2168 et seq.	Prohibition Against Dissemination of certain unclassified Information
42 U.S.C. 2286	Defense Nuclear Facilities Safety Board
42 U.S.C. 7401	Clean Air Act
42 U.S.C. 11411	Title V of the Stewart B. McKinney Homeless Assistance Act, as amended
OMB Circular A-11	Preparation and Submission of Budget Estimates
	"Federal Facility Compliance Agreement," U.S. EPA Docket FFCA-HW-001; Task 2, Work Plan Requirements, section d. Quality Assurance Project Plan, sections 1 and 2
	Internal Air Transportation Association (IATA), "Dangerous Goods Regulations" (most current version)

	International Civil Aviation Organization (ICAO), Doc. 9284-AN/905 "Technical Instruction for the Safe Transport of Dangerous Goods"
	International Maritime Organization, "International Maritime Dangerous Goods Code" (most current version)
	Federal Advisory Committee Act
Public Law 97-255	Federal Managers Financial Integrity Act of 1982
Public Law 99-272	Consolidated Omnibus Reconciliation Act of 1985
Public Law 100-679	Office of Federal Procurement Policy Act Amendments of 1988
Public Law 102-368	Federal Facility Compliance Act of 1992
	Energy Policy Act of 1992
	National Defense Authorization Act of 1993
	Energy Employees Occupational Illness Compensation Program Act of 2000 (EEOICPA)
Executive Order 13149	Greening the Government through Federal Fleet and Transportation Efficiency
	CODE OF FEDERAL REGULATIONS
	Title 10 – Energy
Part 110	Export and Import of Nuclear Equipment and Material
Part 719	Contractor Legal Management Requirements
Part 810	Assistance to Foreign Atomic Energy Activities
Part 707	Workplace Substance Abuse Programs at DOE Sites
Part 820	Procedural Rules for DOE Nuclear Activities 10 CFR 820
Part 830	Nuclear Safety Management
Part 835	Occupational Radiation Protection, Amended 12/4/98 as described in a DOE approved RPP.
Part 850	Chronic Beryllium Disease Prevention Program
Part 860	Trespassing on Administration Property
Part 1008.16	Prohibition Against Disclosure (Privacy Act)
Part 1017	Identification and Protection of Unclassified Controlled Nuclear Information
Part 1021	DOE National Environmental Policy Act Implementing Procedures
Part 1022	Compliance with Floodplain/Wetlands Environmental Review Requirements
Part 1046.11a	Physical Protection of Security Interest; Proactive Force Personnel
Part 1046.13	Physical Protection of Security Interests; Medical Certification
Part 1046	Physical Protection of Security Interests; Medical and Physical Fitness Qualifications and Standards, paragraphs A, B1, B5, B6, B7, B8, B10, C, H, I, J
	Title 15 – Commerce, and Foreign Trade
Part 280	Fastener Quality
Parts 730-774	Export Administration Regulations (EAR)
	Title 20 – Employees' Benefits
Part 617.66	Transition procedures for amendments in sections 13002 through 13009 of Public Law 99-272 (the Consolidated Omnibus Budget reconciliation Act) (COBRA) of 1985)
Part 639	Worker Adjustment and Retraining Notification
	Title 22 – Foreign Relations
	Title 29 – Labor
Part 4	Labor Standards for Federal Service Contracts
Part 30	Equal Employment Opportunity in Apprenticeship and Training
Part 120-130	Foreign Relations, Department of State
Part 516	Records to be Kept by Employers

Part 519	Employment of Full-Time Students at Sub-Minimum Wages
Part 520	Employment of Students-Learners
Part 525	Employment of Workers with Disabilities Under Special Certificates
Part 528	Annulment or Withdrawal of Certificates for the Employment of Student-Learners, Apprentices, Learners, Messengers, Handicapped Persons, Student-Workers, and Full-Time Students in Agricultural or in Retail Service Establishments at Special Minimum Wage Rate
Part 531	Wage Payments Under the Fair Labor Standards Act of 1938
Part 541	Fair Labor Standards Act
Part 548	Authorization of Established Basic Rates for computing Overtime Pay
Part 825	Family Medical leave Act of 1993
Part 1602	Recordkeeping and Reporting Requirements Under Title VII and the ADA
Part 1608	Affirmative Action Appropriation Under Title VII of the Civil Rights Act of 1964, as amended
Part 1611	Privacy Act Regulations
Part 1620	Equal Pay Act
Part 1625	Age Discrimination in Employment Act
Part 1627	Records To Be Made or Kept Relating to Age: Notices To Be Posted: Administrative Exemptions
Part 1904	Recording and Reporting Occupational Injuries and Illnesses
Part 1910	Occupational Safety and Health Standards
Part 1920	OSHA Requirements for General Industry
Part 1926	Safety and Health regulations for Construction
Part 2520	Reporting and Disclosure Under the Employee Retirement Income Security Act of 1974
Part 4041A	Termination of Multiemployer Plans
	Title 33 – Navigation and Navigable Waters
Part 323.2	Army Corps of Engineers Permit Regulations for Dredged Materials; Definitions
Part 323.3	Army Corps of Engineers Permit Regulations for Dredged Materials' Discharges requiring permits
Part 323.4	Army Corps of Engineers Permit Regulations for Dredged materials; Discharges not requiring permits
Part 325.1	Processing of Department of Army Permits
Part 330.6	Authorization by Nationwide Permit
Part 330 Appendix A	Nationwide Permits and Conditions
	Title 34 - Education
Part 395	Vending Facility Program for the Blind on Federal and Other Property
	Title 36 – Parks, Forests, and Public Property
Part 60.4	National Register of Historic Places; Criteria for Evaluation
Part 800	Protection of Historic and Cultural Properties
	Title 40 – Protection of Environment
Part 61	National Emission Standards for Hazardous Air Pollutants -subpart A, General provisions; -subpart H, National Emission Standards for Emission of Radionuclides Other than Radon from department of Energy Facilities; -subpart Q, National emission Standards for Radon Emissions from Department of Energy Facilities.
Part 82	Protection of Stratospheric Ozone
Part 110	Discharge of Oil
Part 112	Oil Pollution Prevention

Part 116	Designation of Hazardous Substances
Part 117	Determination of Reportable Quantities for Hazardous Substances
Part 136	Guidelines Establishing Test Procedures for the Analysis of Pollutants
Part 171.4	Standards for Certification of Commercial Applicators
Part 257	Guidelines for Classification of Solid Waste Disposal Facilities and Practices, part 257.3-(1-8)
Part 262	Standards Applicable to Generators of Hazardous Wastes
Part 262.21	Acquisition of Manifests
Part 264.14	Standards for Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities; Security
Part 265	Interim Status Standards for Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities
Part 268.37	Land Disposal Restrictions; Waste specific prohibitions- ignitable and corrosive characteristic wastes whose treatment standards were vacated
Part 268.38	Land Disposal Restrictions; Waste specific prohibitions- newly identified organic toxicity characteristic wastes and newly listed coke by-product
Part 268.40	Land Disposal Restrictions; Applicability of treatment standards
Part 268.45	Land Disposal Restrictions; Treatment; Treatment standards for hazardous debris.
Part 268.48	Land Disposal Restrictions; Universal treatment standards
Part 300.125(c)	National Oil and Hazardous Substances pollution Contingency Plan; Notifications and communications
Part 300.150(a)(c)(e)	National Oil and Hazardous Substances Pollution Contingency Plan; Worker health and safety
Part 300.300(b)(c)	National Oil and Hazardous Substances Pollution Contingency Plan; Operational Response Phases for Oil Removal
Part 300.305(c)	National Oil and Hazardous Substances Pollution Contingency Plan; Preliminary assessment and initiation of action
Part 300.405(b)(c)(d)(g)	National Oil and Hazardous Substances Pollution Contingency Plan; Discovery or notification
Part 302	Designation, Reportable Quantities, and Notifications
Part 350-372	SARA Title III
Part 355.30	Emergency Planning
Part 374	Prior Notice of Citizen Suits
Part 761	Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution in Commerce, and Use Prohibitions except for '761.1; .3; .65(d)-(h); .70; .80; .120; .123; .185; .187; .193;
Part 1500-1508	Regulations for Implementing the Procedural Provisions of the National Environmental Policy Act
	Title 41 – Public Contracts and Property Management
Part 60-1	Obligations of Contractors and Subcontractors
Part 60-2	Affirmative Action Programs
Part 60-3	Uniform Guidelines on Employee Selection Procedures
Part 60-4	Construction Contractors – Affirmative Action Requirements
Part 60-20	Sex Discrimination Guidelines
Part 60-30	Rules of Practice for Administrative Proceedings to Enforce Equal Opportunity Under Executive Order 11246
Part 60-50	Guidelines on Discrimination Because of Religion or National Origin
Part 60-250	Affirmative Action Obligations of Contractors and Subcontractors for Disabled Veterans and Veterans of the Vietnam Era

Part 60-741	Affirmative Action and Nondiscrimination Obligations of Contractors and Subcontractors Regarding Individuals with Disabilities
Part 101	Public Contracts and Property Management
Part 101-20. 103	Physical Protection and Building Security
Part 102	Federal Management Regulation
Part 109	Department of Energy Property Management Regulations
	Title 43 – Public Lands: Interior
Part 7.5(c)	Protection of Archeological Resources; Exemption of ARPA Permit
	Title 48 – Federal Acquisition Regulations System
Part 22.1	Basic Labor Policies
Part 31	Contract Cost principles ad Procedures
Part 45	Government Property
	Title 49 – Transportation
Part 171	General Information, Regulations, and Definitions
Part 172	Hazardous Material Table, Special Provisions, Hazardous Materials Communications, Emergency Response Information, and Training Requirements
Part 173	Shippers-General Requirements for Shipments and Packagings
Part 174	Carriage by Rail
Part 177	Carriage by Public Highway
Part 178	Specifications for Packagings
Part 211	Chapter II Federal Railroad Administration, Department of Transportation; part 211 Rules of Practice
Part 350-399	Chapter III Federal Highway Administration, Department of Transportation; part 350-399 Federal Motor Carrier Safety Regulations
	Title 50 – Wildlife and Fisheries
Part 402	Interagency Cooperation Endangered Species Act of 1973, as amended

	STATE AND LOCAL REGULATIONS
	OEPA Air Permits to Operate for Active Emission Sources (As Applicable by Site) B006: 100MMBTU/Hr Natural Gas/Oil Fired Boiler B007: 15 MMBTU Gas/Oil Fired Boiler B008: 15 MMBTU Gas/Oil Fired Boiler B009: 15 MMBTU Gas/Oil Fired Boiler T160: 10,000 gallon diesel Fuel Storage Tank
As Applicable by Site	Ohio NPNES Permit to Operate Water Discharges or most current version Effective
	State of Ohio Administrative Code (OAC)
	Section 901 Agriculture – Administrative and Director
	901:5 Plant Industry; 5-11 Pesticides
901:5-11-02	General Safety Provisions, Supervision
901:5-11-03	Classification of licenses, Examination
901:5-11-05	Storage, Disposal and Handling of Pesticides
901:5-11-07	Applicator Records
901:5-11-09	Requirements for Notice for lawn Pesticide Applicators
	Section 3701 Department of Health – Public Health Council

3701-34	Asbestos Hazard Abatement
	Section 3745 Environmental Protection Agency
3745-01-07	Water use designations and statewide criteria
3745-07	Water Supply Works and Wastewater Works Personnel Certification; parts -01 through 016
3745-15	General Provisions on Air Pollution Control
3745-17-07	Particulate Matter Standards, Control of Visible Particulate Emissions from Stationary Sources
3745-19	Open Burning Standards
3745-20	Asbestos Emission Control
3745-21	Carbon Monoxide, Ozone, Hydrocarbon Air Quality Standards and Related Emission Requirements, part 04; 07; 08; 09; 10
3745-25	Emergency Episode Standards
3745-26	I/M program Rules and Regulations
3745-27	Solid Waste and Infectious Waste Regulations
3745-30	Residual Solid Waste Disposal
3745-31	Permit to Install New Sources of Pollution
3745-32	Section 401 Water Quality Certifications
	3745-33 Ohio NPDES Individual Permits
3745-33-02	Ohio NPDES Permit Required
3745-33-03	Permit Applications
3745-33-04	Permit Actions; (D) Modification of Permits
3745-35	Air Permits to Operate and Variances
3745-50-36	Hazardous Waste Management System – General; Annual Hazardous Waste Permit Fees
3745-51	Identification & Listing of Hazardous Waste, parts -01 to -33
3745-52	Generator Standards, parts -11; -12; -20; -22; -23; 30-34; -40; -41; -42; -43; -44
3745-54	General Facility Standards – New Facilities, parts 11-18; 30-35; -37; 50-56; 70-77
3745-55	Corrective Action, Closure, Post-Closure, and Financial Requirements, parts 70-77
	Section 3745-58 Recyclable Materials Standards
3745-58-60	Applicability and Requirements; Recyclable materials utilized for precious metal recovery
3745-58-70	Applicability and Requirements; Spent lead-acid batteries being reclaimed
3745-59	Land Disposal Restrictions, parts -03; -07; -09; -40-44; -50
3745-65	Land Disposal Restrictions, parts -11-18; -30-35; -37; -50-56; -70-77
3745-66	Closure and Post-Closure Under Interim Standards, Parts 70-77; 90-99; -991
3745-67	Surface Impoundments, Parts -22; -23; -26
3745-68-02	Landfills, Incinerators, Thermal Treatment, Miscellaneous Units; General operating requirements
3745-78	Air Pollution Control Fees
	Section 3745-81 Primary Drinking Water Rules
3745-95	Backflow Prevention and Cross-Connection Control
	Section 4101 Department of Commerce (Division of Industrial Compliance) – Administration and Director
4101:2	Board of Building Standards
4104:4	Boiler Inspection: Boiler Code (called "Ohio Boiler and Unfired Pressure Vessel Rules")
4101:4-3	General Requirements
4101:4-17	Repair and Inspection of Unfired Pressure Vessels

4101:8	Inspection: Ohio Pressure Piping Systems Rules (Code)
4101:9	Prevailing Wage, Minimum Wage and Minors
4101:9-1	Employment of the Handicapped
4101:9-4	Prevailing Wage Regulations
4101:11	Steam Engineers; personal certification
4121	Industrial Commission: Administration and Director
4123	Bureau of Workers' Compensation
4736	State Board of Sanitation Engineers; personnel certification
	OHIO REVISED CODE (ORC)
	Title 9 – Agriculture, Animals, Fences
	Chapter 921 – Pesticides
921.06	Custom applicator license; fees
921.12	Limited commercial applicator license; fees
921.25	Prohibitions
	Title 15 – Conservation of Natural Resources
	Chapter 1531 – Division of Wildlife
1531.25	Protection of species threatened with statewide extinction
	Title 37 – Health – Safety - Morals
	Chapter 3750 – Emergency Planning
3750-05	Facilities Subject to Regulation; Facility Emergency Coordinator

	ENVIRONMENTAL MANAGEMENT
	Consent Decree with State of Ohio, filed August 29, 1989
	Administrative Consent Order (3-party agreement with DOE, USEPA, and Ohio EPA), filed August 11, 1997 – amended original Administrative Order by Consent of 1989
	Ohio EPA's Director's Final Findings and Orders, March 18, 1999 (Integration Order for RCRA Units)
	Ohio EPA's Director's Final Findings and Orders, February 24, 1998 (Addresses DUF6 and lithium) – discussions currently ongoing between DOE and Ohio EPA to revise these DFFOs to address DUF6 cylinder transfers from ETTP and remove lithium that has been sold/dispositioned from other Orders
	Ohio EPA's Director's Final Findings and Orders, October 4, 1995 (Site Treatment Plan for Mixed Wastes)
	Federal Facility Compliance Agreement of 1992 for addressing TSCA/PCBs in the process buildings
	RCRA Part B Hazardous Waste Storage Permit with the State of Ohio

List B

DOE O 130.1	Budget Formulation
DOE M 140.1-1B, CRD	Interface with the Defense Nuclear Facilities Safety Board
DOE N 142.1	Unclassified Foreign Visits and Assignments
DOE P 142.1	Unclassified Foreign Visits and Assignments
DOE O 151.1B, Chapter III	Comprehensive Emergency Management System
DOE M 200.1-1	Telecommunications Security Manual
DOE N 203.1	Software Quality Assurance
DOE N 205.1, CRD	DOE Cyber Security Management Program
DOE P 205.1	Departmental Cyber Security Management Policy
DOE N 205.2, CRD	Foreign National Access to DOE Cyber Systems
DOE N 205.3, CRD	Password Generation, Protection, and Use
DOE N 205.4, CRD	Handling Cyber Security Alerts and Advisories and Reporting Cyber Security Incidents
DOE O 221.1, CRD	Reporting Fraud, Waste, and Abuse to the Office of Inspector General
DOE O 221.2, CRD	Cooperation with the Office of Inspector General
DOE O 225.1A, CRD	Accident Investigations
DOE O 231.1A, CRD	Environment, Safety, and Health Reporting
DOE M 231.1-1, Chg. 2	Environment, Safety, and Health Reporting Manual
DOE M 231.1-2, CRD	Occurrence Reporting and Processing of Operations Information
DOE N 231.1, CRD	Environment, Safety, and Health Reporting Notice
DOE O 350.1, Chg. 1, CRD	Contractor Human Resource Management Programs
DOE O 412.1, CRD	Work Authorization System
DOE O 413.1A, CRD	Management Control Program
DOE O 413.1A	Management Control Program
DOE O 413.3	Program and Project Management for the Acquisition of Capital Assets
DOE O 414.1A, Chg. 1, CRD	Quality Assurance
DOE O 420.1A, CRD	Facility Safety
DOE O 425.1C, CRD	Startup and Restart of Nuclear Facilities
DOE O 430.1B, CRD	Real Property Asset Management
DOE O 430.2A, CRD	Departmental Energy and Utilities Management
DOE O 433.1, CRD	Maintenance Management Program for DOE Nuclear Facilities
DOE O 435.1, Chg. 1, CRD	Radioactive Waste Management
DOE M 435.1-1, Chg. 1, CRD	Radioactive Waste Management Manual
DOE O 440.1A, CRD	Worker Protection Management for DOE Federal and Contractor Employees
DOE P 441.1	DOE Radiological Health and Safety Policy
DOE O 442.1A, CRD	Department of Energy Employee Concerns Program
DOE O 450.1A, CRD	Environmental Protection Program
DOE P 450.3	Authorizing use of the Necessary and Sufficient Process for Standards-based Environment, Safety, and Health
DOE P 450.4	Safety Management System Policy
DOE P 450.5	Line Environment, Safety, and Health Oversight
DOE P 450.6	Secretarial Policy Statement on Environment, Safety, and Health

DOE O 460.1B, CRD	Packaging and Transportation Safety
DOE O 460.2, Chg. 1, CRD	Departmental Materials Transportation and Packaging Management
DOE M 470.1-1, CRD	Safeguards and Security Awareness Program
DOE P 470.1	Integrated Safeguards and Security Management (ISSM) Policy
DOE O 470.1, Chg. 1, CRD	Safeguards and Security Program
DOE O 470.2B, CRD	Independent Oversight and Performance Assurance Program
DOE O 471.1A, CRD	Identification and Protection of Unclassified Controlled nuclear Information (UCNI)
DOE M 471.1-1, Chg. 1	Identification and Protection of Unclassified Controlled Nuclear Information Manual
DOE O 471.2A, CRD	Information Security Program
DOE M 471.2-1C	Classified Matter Protection and Control Manual
DOE M 471.2-2	Classified Information Systems Security Manual
DOE M 471.2-3A	Special Access Program Policies, Responsibilities, and Procedures
DOE N 471.3, CRD	Reporting Incidents of Security Concern
DOE O 471.3, CRD	Identifying and Protecting Official Use Only Information
DOE O 472.1C	Personnel Security Activities
DOE M 472.1-1B	Personnel Security Program Manual
DOE O 473.1, CRD	Physical Protection Program
DOE M 473.1-1	Physical Protection Program Manual
DOE 473.2-2	Protective Force Program Manual
DOE N 473.8, CRD	Security Conditions
DOE M 475.1-1A, CRD	Identifying Classified Information
DOE O 534.1B	Accounting
DOE O 551.1B, CRD	Official Foreign Travel
DOE M 573.1-1, CRD	Mail Services User's Manual
DOE O 1270.2B	Safeguards Agreement with International Atomic Energy Agency
DOE G 1324.5B	Implementation Guide for use with 36 CFR 1228 Chapter XII – Subchapter B Records Management
DOE O 1450.4	Consensual Listening-in to or Recording Telephone/Radio Conversations
DOE O 5400.5, Chg. 2	Radiation Protection of the Public and Environment
DOE O 5480.19, Chg. 2	Conduct of Operations Requirements for DOE Facilities
DOE O 5480.20A, Chg. 1, CRD	Personnel Selection, Qualification, and Training Requirements for DOE Nuclear Facilities
DOE O 5639.8A	Security of Foreign Intelligence Information and Sensitive Compartmental Information Facilities
DOE O 5660.1B	Management of Nuclear Materials
DOE O 5670.1A	Management and Control of Foreign Intelligence
DOE O 5670.3	Counterintelligence Program
DOE-STD-1073-93	Guide for Operational Configuration Management
DOE-STD-1090-01	Hoisting and Rigging
DOE-STD-1104-96	Review and Approval of Nonreactor Nuclear Facility SARs
DOE-STD-1120-98	Integration of Environment, Safety and Health into Facility Disposition Activities
DOE-EM-STD-5502-92	Hazard Baseline Documentation
NFPA 1	Fire Prevention Code
NFPA 55	Compressed and Liquefied Gases in Portable Cylinders

NFPA 505	Powered Industrial Trucks Including Type Designations, Areas of Use, Maintenance, and Operations 1992 Edition
WSS, Rev 16	EMEF Operations
	DOE Accounting Handbook
	DOE Guidelines on Export Control and Nuclear Non-Proliferation, July 1999
	INFCIRC/254/Rev.2/Part 2/Mod. 1 Guidelines for the Export of Nuclear Material, Equipment and Technology, Annex-A – Trigger List
	INFCIRC/254/Rev.3 part 2 – List of Nuclear-Related Dual-Use Equipment and Materials and Technology
	Interim Record of decision signed 9/97